

FA1058
ABSTRACT FOR JP 55073896

L1 ANSWER 1 OF 1 JAPIO COPYRIGHT 2002 JPO
AN 1980-073896 JAPIO
TI ULTRAFILTRATION APPARATUS FOR ELECTRODEPOSITION COATING
IN SUMIYOSHI SHIGERU
PA MAZDA MOTOR CORP, JP (CO 000313)
PI JP 55073896 A 19800603 Showa
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SO PATENT ABSTRACTS OF JAPAN, Unexamined Applications, Section: C, Sect.
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AB PURPOSE: To prevent the sticking of paint etc. for filtration membrane, by providing filtrate storage tank placing bath liquid sent from electrodeposition bath higher position than ultrafilter separating concentrated liquid and filtrate and flowing backward the filtrate in the storage tank passing through the filtration membrane utilizing the head between the tank and filter.

CONSTITUTION: The filter 5 having the ultrafiltration membrane 4, is provided in the ultrafiltration apparatus 3 and bath liquid sent in the filter 5 from the electrodeposition bath 2 through the pump 6, is separated in the filtrate containing solvent etc. permeated the membrane 4 and concentrated liquid containing paint or pigment not permeated the membrane 4. The former is pushed up to the storage tank 7 by the pressure of the pump 6 through the passage 10 and the latter is recovered in the bath 2 by the pump pressure through the circulating passage 9. The filtrate in the tank 7 is flowed backward by the pressure by the head H between the tank 7 and the filter 5 through the passage 10 and the membrane 4 at the time of stopping the pump 6 by a stoppage of electric power etc. Stagnation and sedimentation of concentrated component of paint etc. on the membrane surface 4a, are prevented by the backward flowing filtrate and clogging of the membrane 4 is able to avoid.